

DATA TRACKING AND TECHNICAL FACT SHEET

PERMIT, ADDRESS, AND FACILITY DATA

Permittee: The Metropolitan District

PERMIT #: CT0100251

APPLICATION #: 201002851

FACILITY ID. 064-001

Mailing Address: Street: PO Box 800 City: Hartford ST: CT Zip: Contact Name: Jeff Bowers Phone No.: 860-278-7850 X3548	Location Address: Street: 240 Brainard Rd City: Hartford ST: CT Zip: 06114 Contact Name: Jeff Bowers Phone No.: 860-278-7850 X3548 DMR Contact email address: JBowers@themdc.com
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PERMIT INFORMATION

DURATION 5 YEAR X 10 YEAR ____ 30 YEAR ____

TYPE New ____ Reissuance X Modification ____

CATEGORIZATION POINT (X) NON-POINT () GIS #

NPDES (X) PRETREAT () GROUND WATER(UIC) () GROUND WATER (OTHER) ()

NPDES MAJOR (MA) X

COMPLIANCE SCHEDULE YES X NO ____

POLLUTION PREVENTION ____ TREATMENT REQUIREMENT ____

WATER QUALITY REQUIREMENT X OTHER ____

OWNERSHIP CODE

Private ____ Federal ____ State ____ Municipal (town only) X Other public ____

DEEP STAFF ENGINEER Rowland C. Denny

PERMIT FEES

Discharge Code	DSN Number	Annual Fee
111000g	001-1	\$3,320.00

FOR NPDES DISCHARGES

Drainage Basin Code: 4500

Water Quality Classification Goal: **SB**

Segment: Connecticut River 00

NATURE OF BUSINESS GENERATING DISCHARGE

Municipal Sanitary Sewage Treatment

PROCESS AND TREATMENT DESCRIPTION (by DSN)

001-1 - Secondary biological treatment and seasonal disinfection and primary treated excess wet weather flows with seasonal chlorine disinfection.

RESOURCES USED TO DRAFT PERMIT

X Federal Effluent Limitation Guideline 40CFR 133 Secondary Treatment Category

X Department File Information

X Connecticut Water Quality Standards

X Anti-degradation Policy

BASIS FOR LIMITATIONS, STANDARDS OR CONDITIONS

X Secondary Treatment (Section 22a-430-4(r) of the Regulations of Connecticut State Agencies)

X In order to meet in-stream water quality (See General Comments)

X Anti-degradation policy

GENERAL COMMENTS

The Metropolitan District operates a municipal water pollution control facility ("the facility") located at 240 Brainard Road, Hartford. The facility is designed to treat and discharge up to 60 million gallons a day of effluent into the Connecticut River. The facility currently uses secondary treatment with denitrification and seasonal UV disinfection to treat effluent before being discharged. Pursuant to Conn. Gen. Stat. § 22a-430, the Department of Energy and Environmental Protection has issued The Metropolitan District a permit for the discharge from this facility. The Metropolitan District has submitted an application to renew its permit. The Department has made a tentative determination to approve The Metropolitan District's application and has prepared a draft permit consistent with that determination.

The most significant changes from the current permit are the inclusion of revised bacteria monitoring requirements (enterococci), aluminum monitoring to be consistent with the most recent CT Water Quality Standards and iron monitoring to be consistent with EPA's National Recommended Water Quality Criteria.

During dry weather, all wastewater shall receive secondary treatment.

During wet weather events when the wastewater flow to the treatment plant exceeds 90 MGD, the flow above 90 MGD may be diverted to the wet weather storage basin (WWSB) until the completion of construction of the Dual-Use Primary Clarifier Project (DUPCP). If the peak flow to the plant is short-term, the wastewater in the WWSB may be directed to the headworks of the plant for secondary treatment. For longer duration rain events, the wastewater in the WWSB will receive primary treatment and seasonal chlorine disinfection before entering the outfall pipe that carries the secondary treated wastewater out to the Connecticut River. When the WWSB is discharging to the plant outfall pipe, monitoring of that discharge will occur and a calculation will be made to determine whether the blended flow (secondary treated wastewater plus WWSB wastewater) will meet secondary treatment standards for permit compliance.

After the completion of construction of the DUPCP, during wet weather events when the wastewater flow to the treatment plant exceeds 90 MGD, the flow above 90 MGD may be diverted to receive chemically enhanced primary treatment and seasonal chlorine disinfection in the wet weather disinfection tank before entering the outfall pipe that carries the secondary treated wastewater out to the Connecticut River. When this occurs, monitoring of that discharge will occur and a calculation will be made to determine whether the blended flow (secondary treated wastewater plus the discharge from the wet weather disinfection tank) will meet secondary treatment standards for permit compliance.

SPECIFIC REQUIREMENTS OR REVISIONS

The Department reviewed the application for consistency with Connecticut's Water Quality Standards and determined that with the limits in the draft permit, including those discussed below, that the draft permit is consistent with maintenance and protection of water quality in accordance with the Tier I Anti-degradation Evaluation and Implementation Review provisions of such Standards.

The need for inclusion of water quality based discharge limitations in this permit was evaluated consistent with Connecticut Water Quality Standards and criteria, pursuant to 40 CFR 122.44(d). Discharge monitoring data was evaluated for consistency with the available aquatic life criteria (acute and chronic) and human health (fish consumption only) criteria, considering the zone of influence allocated to the facility where appropriate. In addition

to this review, the statistical procedures outlined in the EPA Technical Support Document for Water Quality-based Toxics Control (EPA/505/2-90-001) were employed to calculate the need for such limits. Comparison of the attached monitoring data and its inherent variability with the calculated water quality based limits indicates a low statistical probability of exceeding such limits. Therefore, no water quality based limits were included in the permit at this time.

WATER QUALITY LIMIT CALCULATIONS

See attached

DRAFT